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PATENT APPLICATION
Do. No. 1482-132

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Barrie Gilbert

Serial No.: 09/545,691

Group Art Unit: 2683

Filed: April 7, 2000

Examiner: P. Sobutka

For: RF MIXER WITH INDUCTIVE DEGENERATION

Date: September 28, 2001

BOX FEE AMENDMENT
Assistant Commissioner for Patents
Washington, DC 20231

RECEIVED
OCT 05 2001
Technology Center 2600

10/04/2001 MWDLDER1 00000126 131703 09545691
02 FC:117 34.00 CH 886.00 OP

RESPONSE TO OFFICE ACTION

Responsive to the Office Action, dated March 28, 2001, please amend the application as follows.

10/04/2001 MWDLDER1 00000126 131703 09545691
01 FC:102 84.00 OP

In The Claims

Cancel claims 1, 4-8, 11-12 and 14.

Please amend the claims by rewriting as follows:

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A1

2. (Amended once) An RF mixer comprising:
a mixer core having an LO port for receiving an LO signal, an IF port for providing an IF output signal, and an input port having an input terminal for receiving a current signal; and
an RF input section coupled to the input terminal for providing the current signal responsive to an RF input signal;
wherein the RF input section includes:
a transistor coupled to the input terminal, and
an inductor coupled to the transistor to extend the dynamic range of the mixer;
wherein:
the transistor includes a first terminal coupled to the input terminal, a second terminal coupled to receive a reference signal, and a third terminal; and